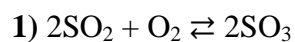


ANSWERS :Equilibrium constant expression



2)

$K_c = \frac{[\text{PCl}_3][\text{Cl}_2]}{[\text{PCl}_5]}$
$\frac{[\text{SO}_3]^2}{[\text{SO}_2]^2[\text{O}_2]}$
$K_c = \frac{[\text{CH}_3\text{OH}]}{[\text{CO}][\text{H}_2]}$
$\frac{[\text{HI}]^2}{[\text{H}_2][\text{I}_2]}$
$K_c = \frac{[\text{NO}_2]^2}{[\text{NO}]^2[\text{O}_2]}$
$K_c = \frac{[\text{NO}]^2}{[\text{N}_2][\text{O}_2]}$
$K_c = \frac{[\text{O}_2]^3}{[\text{O}_3]^2}$
$\frac{[\text{N}_2][\text{H}_2]^3}{[\text{NH}_3]^2}$
$K_c = \frac{[\text{Ag}(\text{NH}_3)_2^+]}{[\text{Ag}^+][\text{NH}_3]^2}$
$K_c = \frac{[\text{NO}]^2[\text{O}_2]}{[\text{NO}_2]^2}$
$K_c = \frac{[\text{NO}_2]^4[\text{O}_2]}{[\text{N}_2\text{O}_5]^2}$
$\frac{[\text{FeSCN}^{2+}]}{[\text{Fe}^{3+}][\text{SCN}^-]}$